



be a real vision
with **INFINITE**

LASER

MADE
IN
GERMANY



ENDOTEQ

1470°

EVLA

Expertise and knowledge!

ENDOTEQ Medical Laser Germany is a German based medical device manufacturer, sales & marketing organization - operating worldwide. Outstanding medical expertise and technical knowhow combined with a wide network of partner companies - we manufacture and distribute high-quality laser and consumables for medical applications in all relevant medical fields.

ENDOTEQ Medizinische Laser Deutschland GmbH
Bilker Strasse 34 - 40213 Düsseldorf - Germany
Telefon 0049 (0)211 - 994 490 60
info@endoteq.de . www.endoteq.de

Copyright

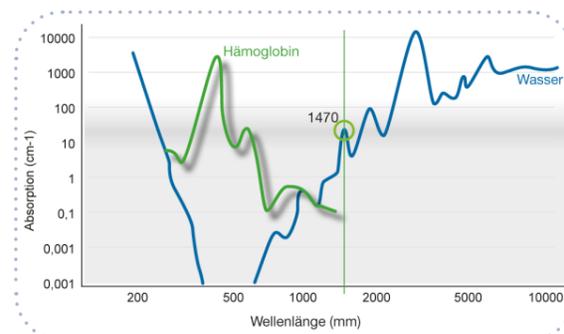
ENDOTEQ Medizinische Laser
Deutschland GmbH 016/2026 REV 1





ENDOTEQ 1470 Laser

This laser provides you with a breakthrough laser design, 1470nm laser sources, in the smallest, lightest weight, most portable unit, enabling precise, effective, and safe minimally invasive treatment of varicose veins for patients.



The optimal energy

The ENDOTEQ 1470 diode laser offers a wavelength with superior performance for ablation of diseased veins - 1470nm. In contrast to previous generations of laser therapy with deep tissue penetration, the 1470nm wavelength is highly absorbed by water in tissue. As a result heat generation is highly localized and application safe and precise.

Ease of use

The unit is controlled by a high resolution, high brightness and color touch screen with wide viewing angles to allow easy operation irrespective of location within OR, clinic or office. Surgeon and application presets can be stored allowing rapid and easy set-up. All fibers utilize patented plug-and-play connection. All these features will save you precious time. The ENDOTEQ laser is unique. It is one of the smallest systems of its performance class with a footprint of only 22cm x 22cm and a weight of only 3.5kg. Equipped with a custom made suitcase for easy and safe transportation between treatment sites, the system offers unparalleled flexibility. From the moment you enter the room, the system can be powered on and ready to fire within less than 2 minutes.

Varicose veins involve swollen, twisted, and often painful veins, due to dysfunctional valves, allowing blood to collect abnormally in the vein

The disease has significant prevalence in the general population. Up to 55% of women and 45% of men suffer from venous disease. Of these up to 25% of women and 15% of men will have visible varicose veins. Surgical treatment methods include open surgery, stripping, and minimally invasive techniques. Endovenous Laser Ablation (EVLA) provides the optimal tool for vein treatment in a minimally invasive method with reduced complication rates and high efficacy. Major studies have demonstrated speedier recovery and fewer complications using minimally invasive treatment techniques. The recent introduction of 1470nm energy, with higher absorption in water, and as a result, less collateral thermal damage has improved the technique further, enabling safe, rapid, and precise use of energy to coagulate the vessel with minimal impact on neighboring structures.

The EVLA procedure utilizes ultrasound guidance and tumescent anesthesia to enable treatment. A puncture is performed allowing percutaneous entry and access up to the saphena-femoral junction. A guide wire, visible under ultrasound, is advanced to the treatment area, followed by the introducer. The guide wire is removed and replaced with the optical fiber for energy delivery. Energy is delivered while pulling back the fiber and introducer enabling deposition of energy along the entire length of the vein. The ease of use and minimally invasive nature of the apparatus allows rapid completion of the treatment; patients can return to normal activities immediately post treatment. Enabling rapid treatment with optimal setup and portability, the ENDOTEQ 1470 laser system will provide fast return on investment, allowing you to expand your practice.

Key Advantages

- Ease-of-use, surgeon presets
- Touch screen control
- Procedural Set
- High reliability, no maintenance
- Portable system for multiple location usage
- Rapid return on investment

Safe and Homogeneous Energy Deposition

The ENDOTEQ 1470 laser provides the user with a synchronization signal which relates to the desired dosage, specified in J per cm, enabling the user to carefully and safely match pullback speed to the desired LEED dosage. The laser can be easily programmed by the user for specific dosages and pullback speeds which may relate to vein diameter and the type of energy used. This unique feature provides for safe and homogeneous deposition of energy along the vein wall.

Key Advantages

- Easy to use synchronization audio signal for pullback speed
- Up to 99 dosage presets can be defined
- Safe and homogenous energy deposition

ENDOTEQ 1470 Laser

Wavelengths	1470nm
Display	Color touchscreen
Output Power (Laser)	10 W
Aiming Beam	650nm, adjustable
Fiber Connection	proprietary
Operating Modes	CW, pulsed
Power Requirements	19V DC - 4,7A
Dimensions	10x22x22 cm
Weight (without case)	3,5 kg